

TABLE 1: Species for Tree and Shrub Plantings

Trees for Dry-Open Sites

Scientific Name	Common Name	Mature Height
<i>Betula populifolia</i>	Gray Birch	30'
<i>Juniperis virginiana</i>	Eastern Red Cedar	10-75'
<i>Pinus resinosa</i>	Red Pine	70'
<i>Pinus rigida</i>	Pitch Pine	50'
<i>Pinus strobus</i>	White Pine	80'
<i>Quercus rubra</i>	Red Oak	70'
<i>Quercus coccinea</i>	Scarlet Oak	70'
<i>Quercus velutina</i>	Black Oak	70'

Shrubs for Dry-Open Sites

Scientific Name	Common Name	Mature Height
<i>Amelanchier canadensis</i>	Shadbush	15'
<i>Ceanothus americanus</i>	New Jersey Tea	4'
<i>Comptonia peregrina</i>	Sweetfern	4'
<i>Cornus racemosa</i>	Gray Dogwood	6-10'
<i>Gaylussacia baccata</i>	Black Huckleberry	1'
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	4'
<i>Juniperus communis</i>	Pasture Juniper	2'
<i>Myrica pensylvanica</i>	Bayberry	6'
<i>Prunus maritima</i>	Beach plum	6'
<i>Rhus aromatica</i>	Fragrant Sumac	3'
<i>Rhus copallina</i>	Shining Sumac	4-10'
<i>Rhus glabra</i>	Smooth Sumac	9-15'
<i>Rosa carolina</i>	Pasture Rose	3'
<i>Rosa virginiana</i>	Virginia Rose	3'
<i>Spirea tomentosa</i>	Steeplebush	3-4'
<i>Viburnum dentatum/recognitum</i>	Arrowwood	5-8'
<i>Viburnum lentago</i>	Nannyberry	15'

Shrubs For Dry-Shady Sites

Scientific Name	Common Name	Mature Height
<i>Hamamelis virginiana</i>	Witch Hazel	15'
<i>Kalmia latifolia</i>	Mountain Laurel	3-8'
<i>Rhododendron nudiflorum</i>	Pinxterbloom Azalea	4-6'
<i>Vaccinium angustifolium</i>	Lowbush Blueberry	2'
<i>Viburnum dentatum</i>	Arrowwood	5-8'

Trees For Moist Sites

Scientific Name	Common Name	Mature Height
<i>Acer rubrum</i>	Red Maple	60'
<i>Betula nigra</i>	River Birch	
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar	
<i>Fraxinus pennsylvanica</i>	Green Ash	60'
<i>Picea mariana</i>	Black Spruce	40'
<i>Picea glauca</i>	White Spruce	
<i>Picea rubens</i>	Red Spruce	70'

Trees for Moist Sites, cont.

Scientific Name	Common Name	Mature Height
<i>Populus deltoides</i>	Eastern Cottonwood	80-100'
<i>Populus tremuloides</i>	Quaking Aspen	30-60'
<i>Salix nigra</i>	Black Willow	40'
<i>Tilia americana</i>	Basswood	60-80'

Shrubs For Moist-Open Sites

Scientific Name	Common Name	Mature Height
<i>Amelanchier canadensis</i>	Shadbush	15'
<i>Aronia arbutifolia/melanocarpa</i>	Chokeberry	8-12'
<i>Clethra alnifolia</i>	Sweet Pepper Bush	3-10'
<i>Cornus amomum</i>	Silky Dogwood	15'
<i>Cornus sericea</i>	Red Osier Dogwood	7-10'
<i>Cornus racemosa</i>	Gray Dogwood	6-10'
<i>Corylus americana</i>	American Hazelnut	10'
<i>Corylus cornuta</i>	Beaked Hazelnut	10'
<i>Ilex glabra</i>	Inkberry	2-6'
<i>Ilex verticillata</i>	Winterberry	10'
<i>Kalmia angustifolia</i>	Sheep laurel	3'
<i>Leucothoe fontanesiana</i>	Drooping Leucothoe	3-7'
<i>Lindero benzoin</i>	Spicebush	10'
<i>Sambucus canadensis</i>	Elderberry	6'
<i>Spiraea latifolia</i>	Meadowsweet	5'
<i>Salix discolor</i>	Pussy Willow	10'
<i>Rhododendron maximum</i>	Rosebay	12-15'
<i>Rhododendron viscosum</i>	Swamp Azalea	8'
<i>Rubus odoratus</i>	Pink Flowering Raspberry	5'
<i>Viburnum cassinoides</i>	Wild Raisin	6'
<i>Vaccinium corymbosum</i>	Highbush Blueberry	10'
<i>Viburnum dentatum</i>	Arrowwood	5-8'
<i>Viburnum trilobum</i>	Highbush Cranberry	7'

Shrubs For Moist-Shady Sites

Scientific Name	Common Name	Mature Height
<i>Corylus americana</i>	American Hazelnut	6'
<i>Cornus amomum</i>	Silky Dogwood	15'
<i>Hamamelis virginiana</i>	Witch-hazel	15'
<i>Kalmia latifolia</i>	Mountain laurel	3-8'
<i>Leucothoe fontanesiana</i>	Drooping leucothoe	6'
<i>Leucothoe racemosa</i>	Swamp doghobble	8'
<i>Lindera benzoin</i>	Spicebush	10'
<i>Lonicera villosa</i>	Mt. Fly Honeysuckle	4'
<i>Rhododendron arborescens</i>	Sweet Azalea	9'
<i>Rhododendron carolinianum</i>	Carolina Rhododendron	6'
<i>Rhododendron maximum</i>	Rosebay Rhododendron	12-15'
<i>Rubus odoratus</i>	Pink Flowering Raspberry	5'
<i>Vaccinium corymbosum</i>	Highbush Blueberry	6-8'
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	6-8'
<i>Viburnum dentatum</i>	Arrowwood	5-8'
<i>Viburnum trilobum</i>	Highbush Cranberry	6-10'

TABLE 2. Species for Grass and Legume Plantings

Plant Name Common (latin)	Plant Characteristics	Uses and Establishment Notes
American Beachgrass (<i>Ammophila breviligulata</i>)	<ul style="list-style-type: none"> • Native to Massachusetts, (in fact, the 'Cape' variety available from nurseries, is the native strain) • Extensively rhizomatous in sandy soils and readily grows up through new deposition layers (dunes) • 3 ft. mature height • Adapted to coastal dunes Cool Season 	<ul style="list-style-type: none"> • Tolerant of droughty sands, full sun Intolerant of foot and vehicular traffic • Established by planting dormant stems(culms), 2-3 per planting unit on 12"-18" centers • Useful as initial vegetative cover on dunes and other sandy sites, to be later inter-planted with native woody shrubs
Bentgrass, Creeping Marsh (<i>Agrostis stolonifera Var. palustris</i>)	<ul style="list-style-type: none"> • Native to Massachusetts Rhizomatous perennial • Sod forming FACW • Adapted to wet meadows, shores and coastal marshes • Cool Season 	<ul style="list-style-type: none"> • Tolerant of wet soils and flooding Seed in mixes at 11lb./acre rate (4.5 million seeds/pound) • Suitable for waterways and ditch or pond banks
Bluestem, Big (<i>Andropogon gerardii</i>) Bluestem, Little (<i>Schizachiyrium scoparium</i>)	<ul style="list-style-type: none"> • Both Native to Massachusetts • Perennial bunchgrasses, with dense root systems • Big (7 ft. height), Little (3 ft. height) • Big (FAC); • Little (FACU) • Adapted to hot, dry, sunny sites in sandy, loamy or silt soils • Both Warm season 	<ul style="list-style-type: none"> • Tolerates medium to low fertility soil with pH 5.0-7.5 • Seed at 2 to 5 lbs. per acre in a mix and 5 to 10 lbs. per acre when seeded alone Useful for stabilizing sand and gravel pits, road sides and mine spoil • Slow to germinate the first year • Seed in early spring with a native grass drill. Roll or cultipack

Native Plant List

Grass and Legume Plantings cont'd

Plant Name Common (latin)	Plant Characteristics	Uses and Established Notes
Bromegrass, Fringed (<i>Bromus ciliatus</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Rhizomatous perennial • 1- 5 ft. mature height, • FACW • Cool Season 	<ul style="list-style-type: none"> • Tolerant of full sun or partial shade • Good species for moist soils • Suitable for waterways and pond banks
Broom-Sedge (<i>Andropogon virginicus</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 2—5 ft. mature height • FACW • Warm Season 	<ul style="list-style-type: none"> • Adapted to dry, open sites with a variety of soil types • Suited for general erosion control where an eastern prairie • Prairie appearance is desired
Bushclover, Hairy (<i>Lespedeza hirta</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Erect perennial • Warm Season 	<ul style="list-style-type: none"> • Open, sandy, sterile sites • Use in mixes with native, warm season grasses.
Bushclover, Round Head (<i>Lespedeza capitata</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Erect perennial • Warm Season 	<ul style="list-style-type: none"> • Roadsides, sandy, dry sites • Useful in mixes with native, warm season grasses
Cordgrass, Freshwater (<i>Spartina pectinata</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • OBL • 2 — 7 ft. mature height • Adapted to upland edge of salt marshes where soil is relatively dry • Warm Season, July — Sept. 	<ul style="list-style-type: none"> • Tolerant of saltwater flooding • Suited to wet soil in eastern prairie applications • Suitable for stream bank or wetland stabilization
Cordgrass, Saltmeadow (<i>Spartina patens</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Small perennial grass • Less than 2 1/2 ft. • Thin stems bend easily and form big cowlicks in the marsh • Warm Season, late June — Oct. 	<ul style="list-style-type: none"> • Tolerant of daily saltwater flooding, wet soils, and full sun; • Grows on high marsh sites
Cordgrass, Smooth (<i>Spartina alterniflora</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Tall perennial grass • Up to 8 ft. • Spreads by rhizomes and builds strong underground network • Warm Season 	<ul style="list-style-type: none"> • Tolerant of constant saltwater flooding, wet soils, and full sun; • Grows on low marsh sites, along outer edge of salt marsh, and along the edge of creeks and ditches; • On protected beaches and mud flats, acts as colonizer, initiating marsh formation. • Dense stands trap silt and cause elevation of soil to rise.

Grass and Legume Plantings cont'd

Plant Name Common (<i>latin</i>)	Plant Characteristics	Uses and Established Notes
Cut Grass, Rice (<i>Leersia oryzoides</i>)	<ul style="list-style-type: none"> Native to Massachusetts OBL 2-5 ft mature height Cool Season 	<ul style="list-style-type: none"> Tolerant of saturated soils, full sun and flooding Suited for waterways, pond/ditch/stream bank stabilization
Deertongue Grass (<i>Leersia oligoides</i>)	<ul style="list-style-type: none"> Native to Massachusetts Perennial, spreads slowly by seed and rhizomes Up to 3 ft. mature height FAC+ Adaptation: dry to moist sites with full sun to partial shade Warm Season 	<ul style="list-style-type: none"> Best grass for acid soil sites Tolerant of low fertility sites Use for cover of erodible sandy areas such as road/ditch banks and sand and gravel borrows Seed in mixes at rate of 5-10 lbs/ac Seed with other native warm season species or with perennial ryegrass
Dropseed, Poverty (<i>Sporobolus vaginiflorus</i>)	<ul style="list-style-type: none"> Native to Massachusetts Annual bunchgrass 1 — 2 ft. mature height UPL Shallow root system Warm Season 	<ul style="list-style-type: none"> Tolerant of dry sites with full sun and low fertility Suitable as a native nurse crop for warm season mixes Adapted to dry roadside sites
Fescue, Red Creeping Red Fescue (<i>Festuca rubra var rubra</i>) Chewings Red Fescue (<i>Festuca rubra commutata</i>)	<ul style="list-style-type: none"> Native to Massachusetts Short perennial with round, wiry basal leaves Creeping Red Fescue tends to grow in tufts on low fertility sites, but spreads by rhizomes in more fertile soils Chewings in a true bunch type FACU Cool Season 	<ul style="list-style-type: none"> Valuable for its shade tolerance Suited for close growing cover in mixes; seed at rate of 10-40 lbs. per acre depending on use Adapted to a wide variety of soil types; tolerant of dry and very moist sites Suited for low maintenance areas, general purpose turf or in mixes for wood roads, landings, road banks Adapted to full or partial shade
Groundnut (<i>Apios americana</i>)	<ul style="list-style-type: none"> Native to Massachusetts Climbing vine 3-10 ft. in length From rhizome 	<ul style="list-style-type: none"> Moist soils Use in mixes for pond and stream banks
Indiangrass (<i>Sorghastrum nutans</i>)	<ul style="list-style-type: none"> Native to Massachusetts Perennial, Bunchgrass 3 — 5 ft. mature height Warm Season 	<ul style="list-style-type: none"> Grows best in fertile loam Has a light and fluffy seed. Use a native grass drill designed for chaffy seed. Seed at 2-5 lbs. per acre in a mix or 5-10 lbs/ac alone

Native Plant List

Grass and Legume Plantings cont'd

Plant Name Common (<i>latin</i>)	Plant Characteristics	Uses and Establishment Notes
Lovegrass, Tumble (<i>Eragrostis spectabilis</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial, bunchgrass. • 12— 18 inches in height • UPL • Warm Season 	<ul style="list-style-type: none"> • Suited to dry sites with full sun • Purplish-pink appearance in flower (late summer) • Low maintenance
Manna Grass, Canada (<i>Glyceria canadensis</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 2 — 3 ft. height • OBL • Cool Season 	<ul style="list-style-type: none"> • Suited to very wet sites • Good for initial wetland cover
Manna Grass, Fowl (<i>Glyceria striata</i>) _	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 2 — 3 ft. height • OBL • Cool Season 	<ul style="list-style-type: none"> • Suited to very wet sites • Low maintenance
Pea, Beach (<i>Lathyrus japonicus</i>)	<ul style="list-style-type: none"> • Native to Coastal Mass. • Perennial with rhizomes 	<ul style="list-style-type: none"> • Adapted to beach/dune sites • Seeded in moist, inter-dune areas
Reed Grass, Blue Joint (<i>Calamagrostis canadensis</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 4 -5 ft height • Spreads by rhizomes • FACW+ • Cool Season, 	<ul style="list-style-type: none"> • Adapted to wet sites with full sun • Tolerates flooded conditions • Suited for waterways, ditches, pond/stream banks
Rush, Path (<i>Juncus tennisi</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • perennial • 12 in. height • FAC- 	<ul style="list-style-type: none"> • Adapted to full or partial sun • Tolerant of flooding , wet soils and compacted soils • Suited for cover of access road surfaces
Switchgrass (<i>Panicum virgatum</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Warm Season, bunchgrass • 3 -5 ft height • FAC • Provides excellent nesting and fall and winter wildlife cover • Expect 1-2 years for establishment 	<ul style="list-style-type: none"> • Adapted to a wide range of sites: • Dry, Moist, Wet, Full Sun or Partial Sun • Tolerant of salt • Seed at 5 - 10 lbs. PLS per acre in mix or 15 lbs. PLS per acre alone • Suited to pH of 4.5-7.5

Plant Name Common (<i>latin</i>)	Plant Characteristics	Uses and Establishment Notes
Trefoil, Showy-Tick (<i>Desmodium canadense</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Taproot • 2 — 5 ft. height 	<ul style="list-style-type: none"> • Adapted to moist - dry open sites and all soil textures
Wild Rye, Canada (<i>Elymus canadensis</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 2 1/2 - 6 ft. height • Good wildlife food and cover • FACU+ • Cool Season 	<ul style="list-style-type: none"> • Suited to dry-moist sites with full sun or partial shade • Seed in mixes at 5 lbs/acre
Wild Rye, Riverbank (<i>Elymus riparius</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 3 - 5 ft. height • FACW • Cool Season 	<ul style="list-style-type: none"> • Suited to moist to wet sites with partial shade • Tolerates flooding
Wild Rye, Virginia (<i>Elymus virginicus</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial bunchgrass • 4 — 5 ft. height • Good wildlife food and cover • FACW- • Cool Season 	<ul style="list-style-type: none"> • Suited to wet sites but can tolerate drought. Can tolerate shade. • Good initial grass for seeding newly established wetlands
Wood Reed, Stout (<i>Cinna arundinacea</i>)	<ul style="list-style-type: none"> • Native to Massachusetts • Perennial • 5 ft. height • FACW • Cool Season 	<ul style="list-style-type: none"> • Adapted to interior woodland and woodland borders • Tolerant of shade

TABLE 2 NOTES:

Wetland Plant Indicator Categories:

Abbreviation	Indicator Category	Description	Probability of Occurance
OBL	Obligate Wetland	Occur almost always under natural conditions in wetlands	> 99%
FACW	Facultative Wetland	Usually occur in wetlands, but occasionally found in nonwetlands	67% - 99%
FAC	Facultative	Equally likely to occur in wetlands Or nonwetlands.	34% - 66%
FACU	Facultative Upland	Usually occur in nonwetlands, but occasionally found in wetlands	1% - 33%
UPL	Obligate Upland	Occur in wetlands in another region, but occur almost always under natural conditions in nonwetlands here.	> 99%

(A positive (+) or negative (-) sign is used to indicate more or less regional frequency of occurrence in wetlands.)